

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

Federal Republic of Germany

3,070,833,908	J. Greschner, G. Kraus, and G. E. Schmid	Method of Coding Voice Signals and Device Using Said Method
3,171,552,408	K. H. Burckardt and D. J. Bahr	Control Circuit for a Printing Head of a Metal Paper Printer with Electrodes Arranged on a Slope
3,171,700,408	D. J. Bahr and M. Briska	Process for Producing Compact Lacquer Layers for Record Carriers
3,171,865,508	M. Briska and D. J. Bahr	A Record Carrier
3,171,882,508	D. Schuett and V. Goetze	Programmable Logic Array with Self Correction of Faults
3,171,958,908	D. J. Bahr and M. Briska	Lacquer for Record Carriers and Process for Its Production
3,264,623,208	H. Trumpf	Process and Apparatus for the Mutual Positioning (Registration) of Objects in X-ray and Ion Beam Lithography

France

36,084	D. Godard and M. Y. Quintin	Method and Device for Effecting the Initial Adjustment of Clock in a Synchronous Data Receiver
59,293	M. Lechaczinsky, A. Pauporte, P. Thery, and R. Walker	Process and Device for Selectively Assigning the Resources of a Control Unit to a Selected User Among a Plurality of Potential Users
70,948	H. Nussbaumer	Method of Coding Voice Signals and Device Using Said Method

Switzerland

60,307	U. Bapst, H. R. Mueller, H. Keller, and H. Meyr	Method for Connecting or Disconnecting Selected Stations
63,626	F. R. Gfeller	Bus Arrangement for Interconnecting Circuit Chips
65,598	B. Ward and P. L. Edwards	Improvements in Telecommunications Receivers

United States

4,506,435	W. A. Pliskin, J. Riseman, and J. F. Shepard	Method for Forming Recessed Isolated Regions
4,506,436	P. E. Bakeman, Jr. and R. M. Quinn	Method for Increasing the Radiation Resistance of Charge Storage Semiconductor Devices
4,506,881	R. E. Hunt and W. M. Jenkins	Duplexing Paper Handling System
4,507,171	H. S. Bhatia, S. S. Bhatia, J. Riseman, and E. A. Valsamakis	Method for Contacting a Narrow Width PN Junction Region
4,507,178	D. J. Barclay	Electrodeposition of Chromium and Its Alloys
4,507,331	H. Hiraoka	Dry Process for Forming Positive Tone Micro Patterns
4,507,333	A. I. Baise and A. W. Wu	Biphenylene End-Capped Quinoxaline Polymers and Their Use as Insulating Coatings for Semiconductor Devices
4,507,751	D. Gawlick, J. N. Gray, W. M. Iimura, and R. L. Obermarck	Method and Apparatus for Logging Journal Data Using a Log Write Ahead Data Set
4,507,752	J. J. McKenna and J. M. Thompson	In-Place Index Compression
4,507,753	R. A. McCaskill, J. W. McInroy, and P. D. Waldo	Method for Automatic Field Width Expansion in a Text Processing System During Interactive Entry of Displayed Record Selection Criterium
4,507,777	E. L. Tucker, R. H. Waller III, and K. T. Wilson	Protocol for Determining Physical Order of Active Stations on a Token Ring

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4,507,779	R. P. Barner, Jr. and W. M. Durham	Medium Speed Multiples Data
4,507,781	J. A. Alvarez III, J. F. Brennen, R. W. Krug, B. D. Gobioff, and J. Shabe	Time Domain Multiple Access Broadcasting, Multipoint, and Conferencing Communication Apparatus and Method
4,510,673	A. J. Shils and J. P. Ianni, Jr.	Laser Written Chip Identification Method
4,510,676	N. G. Anantha, S. P. Gaur, Y.-S. Huang, and P. J. Tsang	Method of Fabricating a Lateral PNP Transistor
4,510,685	R. Chu	Method of Assembling Magnetic Pins into Printed Circuit Boards
4,510,841	J. Farran, M. R. Hatchett, and J. S. Heath	Mechanism for Cutting Single Thickness Paper or Like Sheet Material and Apparatus Including Such Mechanism
4,510,862	R. C. Alt and J. Pinter	Disposable Strip Assembly and Retention Device for a Line Printer
4,511,135	J. L. Huerta, R. A. Rachui, J. E. Roberts, and G. I. Simpson, Jr.	Enhanced Envelope Feeding
4,511,242	W. H. Ashbee, D. M. Janssen, R. J. Martin, and W. S. Seaward	Electronic Alignment for a Paper Processing Machine
4,511,428	H. Ghosh, A. Murgai, and W. A. Westdorp	Method of Controlling Oxygen Content and Distribution in Grown Silicon Crystals
4,511,430	L. Chen and G. S. Mathad	Control of Etch Rate Ratio of SiO ₂ /Photoresist for Quartz Planarization Etch Back Process
4,511,760	R. L. Garwin and J. L. Levine	Force Sensing Data Input Device Responding to the Release of Pressure Force
4,511,911	D. M. Kenney	Dense Dynamic Memory Cell Structure and Process
4,511,938	A. J. Betts	Magnetizable Recording Disk and Disk File Employing Servo Sector Head Positioning
4,511,963	R. F. Kantner	Emulation of Special Purpose Magnetic Tape Data Recording Equipment by a General Purpose Processor
4,511,986	R. J. Bellar, W. G. Golden, D. D. Saperstein, and A. Vats	Method and Apparatus for Simultaneously Recording Multiple FT-IR Signals
4,529,237	O. R. Gupta and A. L. Torino	Robotic Gripper Drive System
4,529,894	Y. H. Chan, J. E. Dickerson, W. S. Klara, T. W. Kwap, and J. M. Mosley	Means for Enhancing Logic Circuit Performance
4,529,896	M. Grandguillot, P. Mollier, and J.-P. Nuez	True/Complement Generator Employing Feedback Circuit Means for Controlling the Switching of the Outputs
4,530,021	T. Cameron	Micromotion Release of Heads from Lubricated Magnetic Disks
4,530,053	T. A. Kriz and A. S. Potemski	DMA Multimode Transfer Controls
4,530,272	K. H. Stokes	Method for Controlling Contamination in a Clean Room
4,530,612	W. J. Butera and P. Stucki	Method for Adaptively Using a Print Ribbon in an Impact Printer
4,530,736	W. E. Mutter	Method for Manufacturing Fresnel Phase Reversal Plate Lenses
4,531,067	D. C. Banker, F. A. Montegari, and J. P. Norsworthy	Push-Pull Darlington Current Sink (PPDCS) Logic Circuit
4,531,068	W. R. Kraft, V. S. Moore, W. L. Stahl, Jr., and N. G. Thoma	Bus Line Precharging Tristate Driver Circuit
4,531,120	K. C. Brownell, Jr. and T. W. Scrutchin, Jr.	Superposing Graphic Patterns
4,531,134	F. J. Horlander	Regulated Voltage and Approximate Constant Power for Thermal Printhead
4,531,165	G. H. Sonu and R. C. Schneider	Automatic Amplitude Equalizer Based Upon Monitoring of Channel Power Loss
4,531,185	J. Y. Halpern, B. B. Simons, and H. R. Strong	Centralized Synchronization of Clocks
4,531,186	J. M. Knapman	User Friendly Data Base Access
4,531,199	R. J. Pedersen	Binary Number Substitution Mechanism in a Control Store Element
4,531,200	L. D. Whitley	Indexed-Indirect Addressing Using Prefix Codes
4,531,689	L. R. Beach, Jr., W. G. Rance, Jr., P. H. Whittington, and W. O. Wightman, Jr.	Vacuum Probe for Attaching Tape to Reel Hub Within a Cartridge
4,531,700	C. W. Robinson	Electric Motor Mounting Arrangement
4,532,503	W. B. Pennebaker	Sequence Controlled Pixel Configuration
4,532,528	W. Y. Lee	Archival Optical Storage Medium
4,532,532	T. N. Jackson	Submicron Conductor Manufacturing
4,532,533	T. N. Jackson and J. M. Woodall	Ballistic Conduction Semiconductor Device
4,532,588	G. J. Foster	Electronic Document Distribution Network with Uniform Data Stream
4,532,651	W. B. Pennebaker, Jr. and K. S. Pennington	Data Filter and Compression Apparatus and Method
4,532,698	F. F. Fang, B. M. Grossman, and W. Hwang	Method of Making Ultrashort FET Using Oblique Angle Metal Deposition and Ion Implantation
4,532,700	W. I. Kinney, J. B. Lasky, and L. A. Nesbit	Method of Manufacturing Semiconductor Structures Having an Oxidized Porous Silicon Isolation Layer
4,532,802	C. E. Yeack-Scranton and S. F. Vogel	Apparatus for Analyzing the Interface Between a Recording Disk and a Read-Write Head
4,533,186	M. A. Engwall and R. B. Mulvany	Cylindrical Type Squeeze Bearing Systems with Bearing and Driving Elements Attached in Areas of Maximum Deflection